

## HSC Software Descriptions

### **Brain Slice Tutorial** (Accessible locally)

A Neurobiology BrainSlice Tutorial was developed for first year medical students at the West Virginia University Medical School. The tutorial provides computer-assisted instruction to study the interior anatomical structures of the brain.

### **Cross Sectional Anatomy Tutor** (Accessible via HSC-Student Domain Server only)

The Cross Sectional Anatomy Tutor was designed to develop a student's ability to recognize anatomic structures using CT and MR images from cross sections of a human body. Anatomical structures are highlighted and labeled in the tutorial. Clinical case studies and on-line tests are available and the program provides a review for missed test questions.

### **Embryo Images** (Accessible via Web Link)

Embryo Images is a tutorial that uses scanning electron micrographs of mammalian embryos to teach embryogenesis. The tutorial concentrates on embryogenesis from weeks 3-8 post fertilization in the human. Colored and animated overlays are incorporated to aid in identification of anatomical structures.

### **Heart Sounds** (Accessible via HSC-Student Domain Server only)

The Unique Interactive Guide to Cardiac Diagnosis is a guide to cardiac diagnosis integrating heart sounds and images. Featuring 200 heart sounds, 100 images, 135 clinical cases and a catalog of lesions. Its content includes: General Tutorials, Timing of Heart Sounds, Timing of Murmurs, and Catalog of Lesions.

### **Histology Lab Assistant** (Accessible via HSC-Student Domain Server and Web Apps)

The Histology Lab Assistant is tutorial software dealing with the histological structures of the human body. This application is divided into three sections: the atlas, workbook, and test. The atlas contains slides of labeled images along with detailed information related to the image. The workbook contains the same slides, but the student is asked to locate specific structures on an image. The test section contains review questions. Answers and explanations of those answers are available.

### **Human Anatomy by Gold Standard Multimedia:** (Accessible via Web Link within SOLE)

Human Anatomy, Radiologic Anatomy and Clinical Human Embryology. The Integrated Medical Curriculum (IMC) is a world-class website offering major courses taught in medical school. The IMC was developed from Gold Standard Multimedia's core collection of medical education CD-ROM products, which were converted into an easy-to-use online format and enhanced with powerful search features. The IMC is loaded with in-depth text coverage, lively animations, streaming audio and video, realistic photos and illustrations, interactive quizzes, quality content and much more!

### **Imaging Atlas of Human Anatomy** (Accessible via HSC-Student Domain Server and Web Apps)

The Imaging Atlas of Human Anatomy is tutorial software designed for radiology students. This tutorial is based on radiographic images of normal human anatomy, including magnetic resonance angiography and ultrasound video sequences. Anatomical structures are highlighted and labeled. The software allows for keyword searches and viewing of thumbnails of groups of pictures and image sites.

### **Interactive Atlas of Human Anatomy (Netter's)** (Accessible locally, but requires CD)

The Interactive Atlas of Human Anatomy (Netter's) contains drawings, referred to as plates, of organs and the skeletal, muscular and nervous systems. The study guide allows you to save specific plates, labels, text, and audio notes to a personal study guide file. For review purposes, there are computer generated practice tests, as well as the ability to create user-customized exams.

### **Interactive Brain Atlas** (Accessible locally and via Web Link)

Interactive Brain Atlas is a multimedia anatomy instructional aid. Photographs of brain tissue sections are utilized along with MRI scans and 3-D animation. Anatomical regions of the brain are outlined and labeled. Quizzes are available for review purposes.

**MacBrain Lesion** (Accessible locally)

MacBrain Lesion was designed to develop a student's ability to diagnose brain lesions. Computerized file cards contain information and diagrams of different neural pathways. Examples of lesion problems, along with possible symptoms, lesion sites, and pathway diagrams are included. Quizzes, related to the different lesion sites are available for review purposes.

**Merck Manual** (Accessible via HSC-Student Domain Server and Web Apps)

The Merck Manual is a collection of medical journal articles. The articles are grouped by subject in two volumes, The Merck Manual and The Merck Manual of Geriatrics.

**Neuroanatomy Interactive Syllabus** (Accessible via Web Link)

Neuroanatomy Interactive Syllabus was designed to develop a student's ability to identify structures of the human central nervous system. Topics are organized into chapters. Labeled images, descriptions, animated 3-D and MR images are all available in this tutorial. Quizzes are available for review purposes.

**Parasite Tutor** (Accessible via HSC-Student Domain Server only)

Parasite-Tutor teaches the laboratory identification of clinically significant Parasites. It is a 90-minute, interactive computer program that provides initial instruction, continuing education and competency assessment. Coverage begins with a comprehensive overview, and includes: Blood Parasites -- Diagnostic techniques for detection, intracellular parasites, extracellular parasites, common artifacts that can be confused with blood parasites; Stool Parasites -- Diagnostic techniques, Protozoa, Helminths, common artifacts; Parasites from other sites, such as eyes, CSF, genitalia, skin, and urinary tract. An image index makes location easy; and a final exam made up of two separate tests provides detailed feedback.

**Reference Manager** (Accessible via HSC-Student Domain Server)

A bibliographic software program for researchers, which is used to organize and generate references, create and organize research notes, manage tasks and organize a research To Do list. It automatically generates a Reference ID for each item and allows the user to import and export references to and from text files. The program integrates with MS Word and WordPerfect to generate citations and a bibliography in APA, MLA, and a variety of other common style formats.

**Virtual Network Computing Server** Virtual Network Computing (VNC) software is a remote control program which allows a user to view and interact with another computer that is running the VNC Server software. This software will be used in the Active Learning Exercises (ALE's) groups where one student's laptop will be functioning as the VNC Server and the remaining students in the group will use the VNC Viewer to view the display of the laptop running the VNC Server.

## Accessing HSC Software Via the HSC Student Domain Server

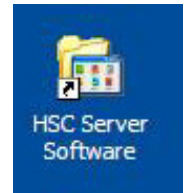
The **HSC Software** is available from within the Health Sciences Center via the **HSC Student Domain Server**.

### *Logon Procedure for HSC Student Domain Server:*

1. Establish a connection to the **HSC Student Domain Server** within the Health Sciences Center. Please reference the **Logon Procedures for the HSC Student Domain Server** located in the **Connectivity Within HSC** section of this manual for more information on establishing a connection.

### *Running HSC Software:*

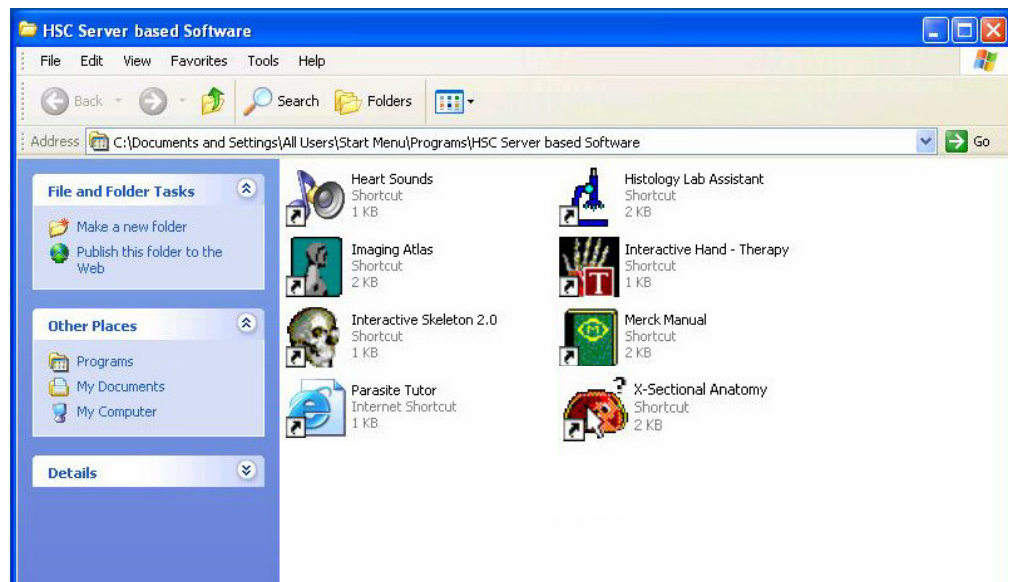
1. Double click on the folder **HSC Server Software** located on the Desktop.



2. The HSC Software window opens. Double click on the program you wish to run.

**-Or-**

1. Click on the **Start Button** and select **All Programs**.
2. Choose **HSC Server Software**.
3. Select the program you wish to run.



Additionally, there are some web applications available through the HSC Web Software folder.

1. Double click on the **HSC Web Software** icon, located on the **Desktop**.
2. Double click the desired program icon to launch the program.

